

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Frough Sherwani

GENERAL INFORMATION:

Name:	Vanderbilt Yachts LLC
Address:	Rt. 3 Hwy 90 P.O Box 126 Albany, Kentucky 42602
Date application received:	May 19, 2005
SIC/Source description:	3732/Boat Building and Repair
AFS #	021-053-00019
AI#:	37775
Activity #:	APE200500001
Permit number:	F-05-032

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

<b>Pollutants</b>	<b>Potential Emissions (TPY)</b>	<b>Allowable Emission (TPY)</b>
PM/PM10	15.735	10.2492
VOC*	105.51	90
Styrene**	89.54	9.0
HAPS***	100.2	22.5

\* The source has accepted a facility-wide cap on annual VOC emissions of no more than 90 tons per rolling 12-month period.

\*\* The source has accepted a facility-wide cap on annual individual HAP emission of no more than 9 tons per rolling 12-month period.

\*\*\* The source has accepted a facility-wide cap on annual combined HAPS emissions of no more than 22.5 tons per rolling 12-month period.

**TOXIC SUMMARY:**

<b>TOXIC</b>	<b>PTE CONC. UG/M**3</b>	<b>PRG# UG/M**3</b>	<b>PTE CONC.&lt;PRG#</b>
<b>MEK</b>	<b>20.31</b>	<b>1000</b>	<b>YES</b>
<b>Methyl Methacrylate</b>	<b>27.13</b>	<b>730</b>	<b>YES</b>
<b>Toluene</b>	<b>1.43</b>	<b>400</b>	<b>YES</b>
<b>Styrene</b>	<b>757</b>	<b>1100</b>	<b>YES</b>
<b>Acetone</b>	<b>0.713</b>	<b>370</b>	<b>YES</b>

**SOURCE PROCESS DESCRIPTION:**

The Vanderbilt Yachts LLC manufactures fiberglass houseboats. The source is divided into four major areas: large mold area, small mold area, woodworking area and an assembly area. These molds are made of fiberglass. The molding process is divided into three sections: mold maintenance and preparation, gelcoat and resin application and cleanup final finish. Mold maintenance is done using Polycor Retention Green Tooling and Mold Release. The open molding process is done using Polyester Resin spray up application. The clean final finish is done using toluene and acetone.

On November 22, 2000, the source was issued a Conditional Major Permit (F-00-023). On September 2, 2004, the source submitted an application for a name change (from Holiday Mansion International Inc. to Vanderbilt Yachts LLC). On May 19, 2005, the source submitted an application to renew their permit (F-05-032).